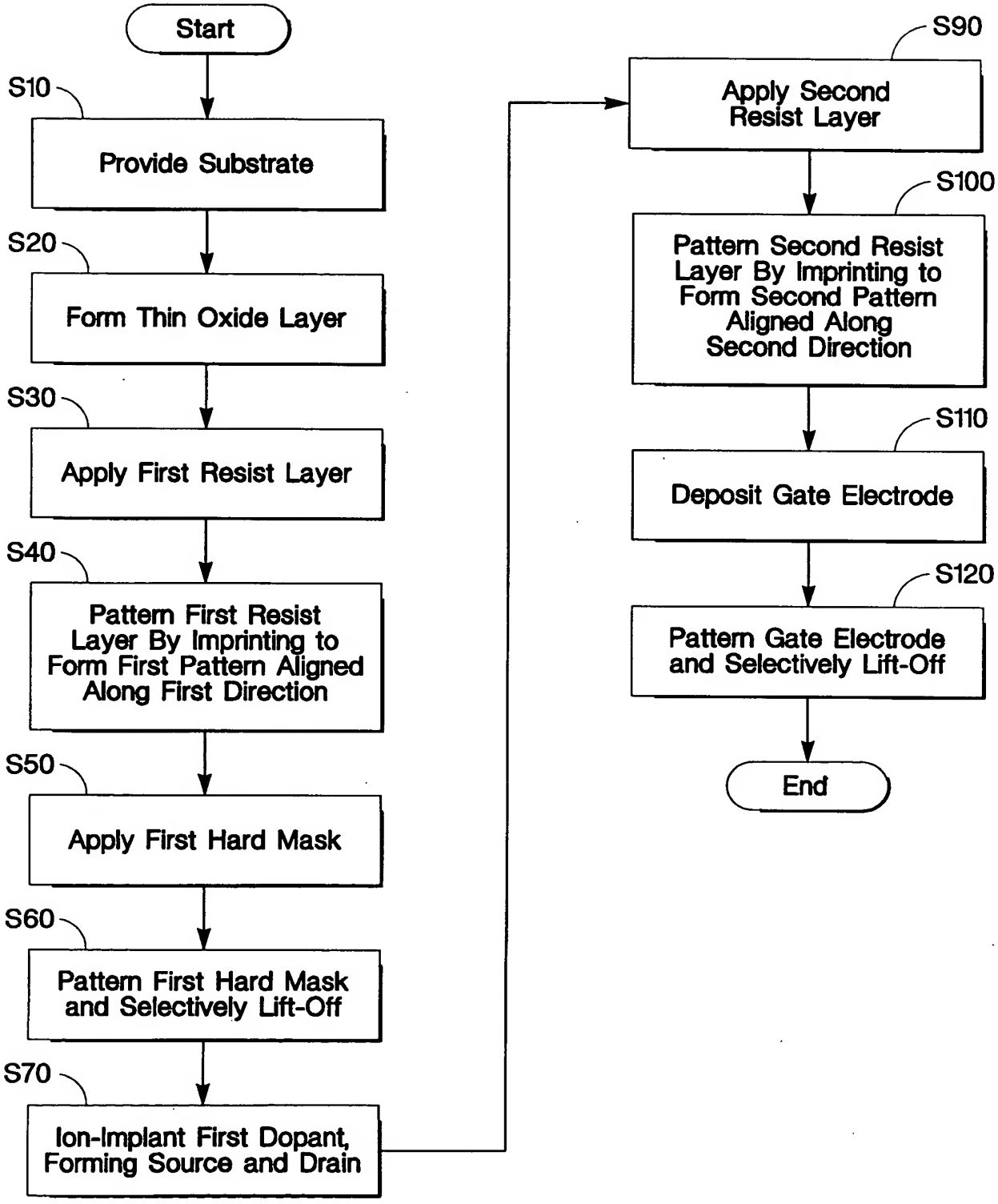
Start
S10
Provide Substrate
S20
Form Thin Oxide Layer
S30
Apply First Resist Layer
S40
Pattern First Resist Layer By Imprinting to Form First Pattern Aligned Along First Direction
S50
Apply First Hard Mask
S60
Pattern First Hard Mask and Selectively Lift-Off
S70
Ion-Implant First Dopant, Forming Source and Drain
S90
Apply Second Resist Layer
S100
Pattern Second Resist Layer By Imprinting to Form Second Pattern Aligned Along Second Direction
S110
Deposit Gate Electrode
S120
Pattern Gate Electrode and Selectively Lift-Off
End

Fig. 1

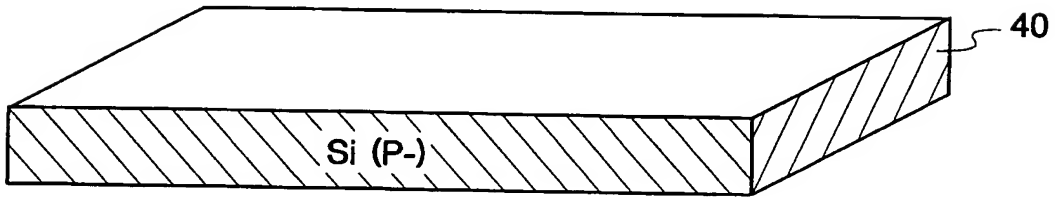

Fig. 2

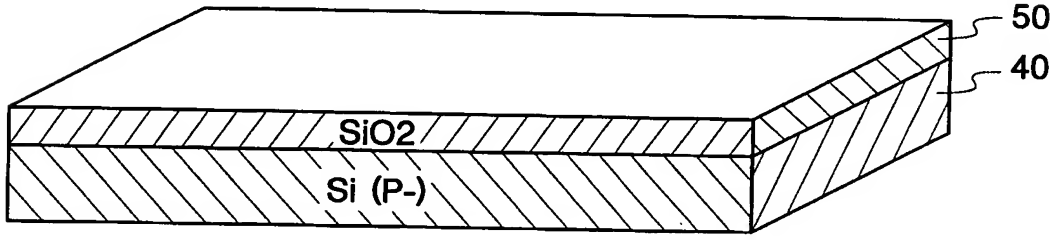

Fig. 3

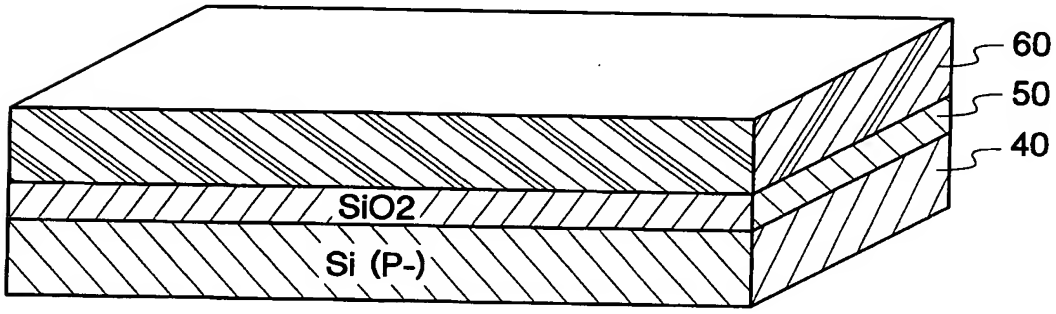

Fig. 4

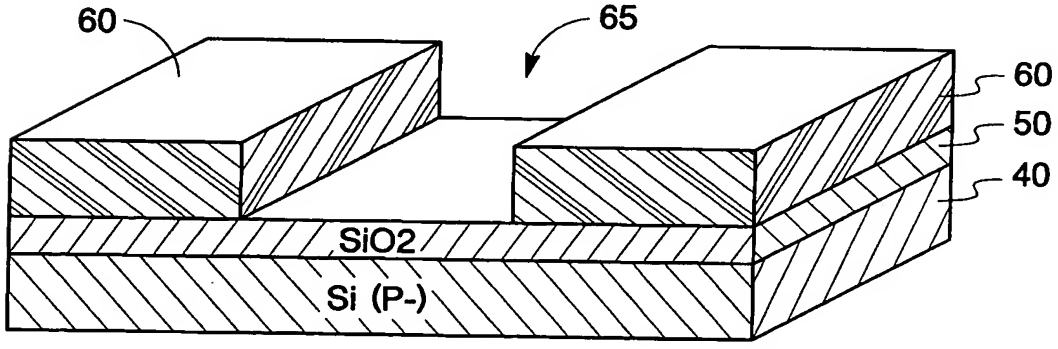

Fig. 5

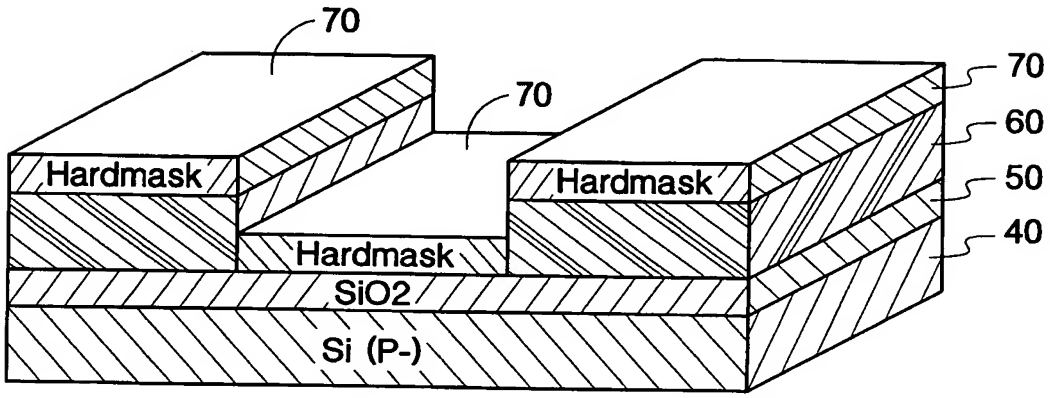

Fig. 6

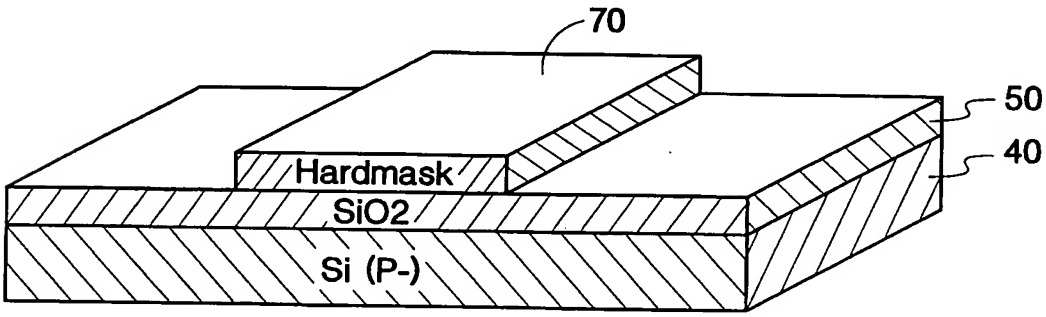

Fig. 7

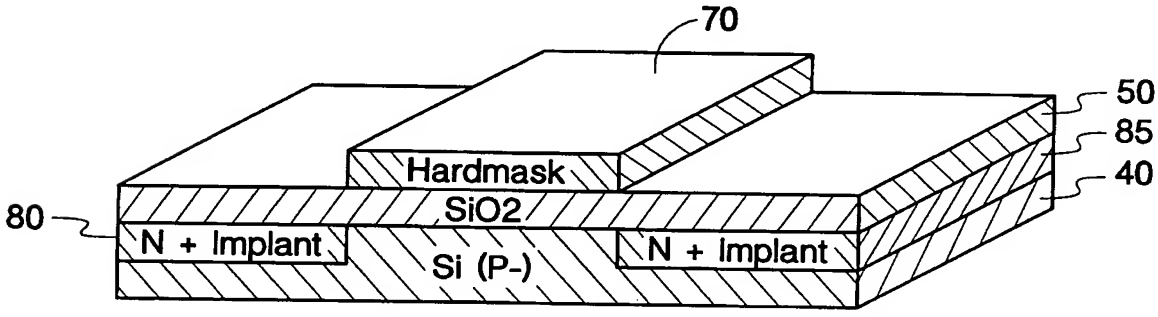

Fig. 8

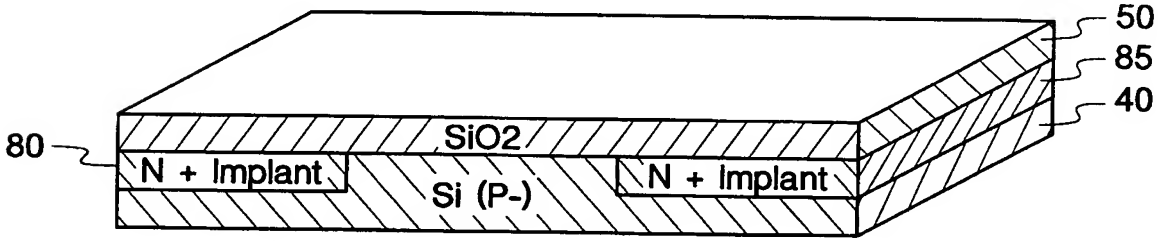

Fig. 9

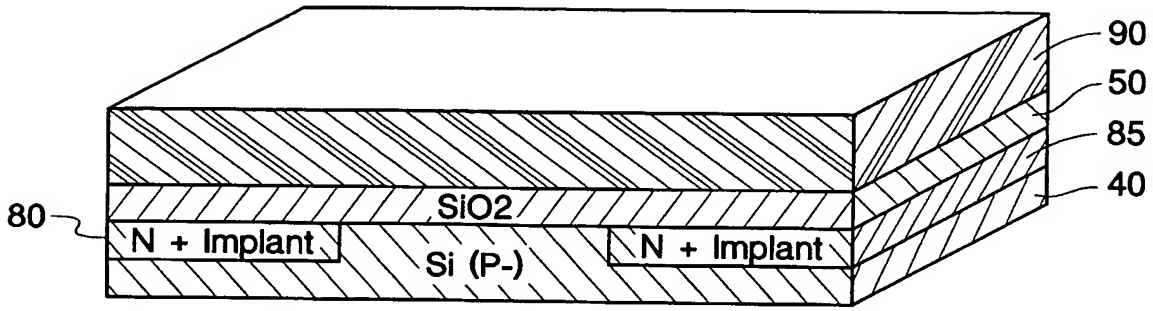

Fig. 10

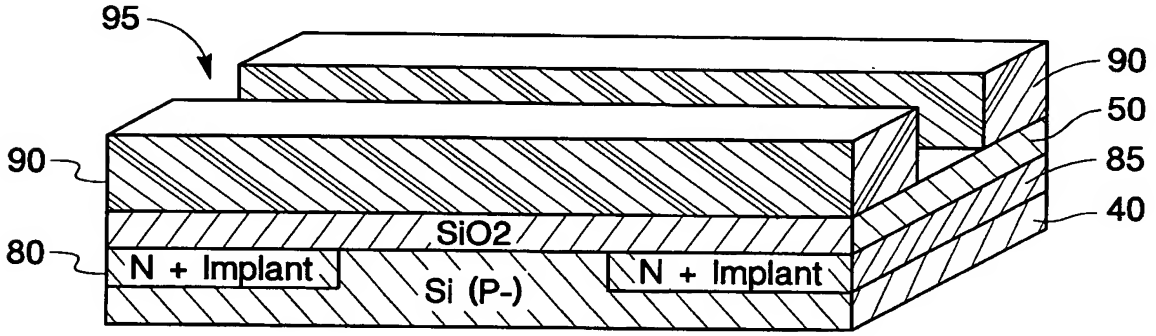

Fig. 11

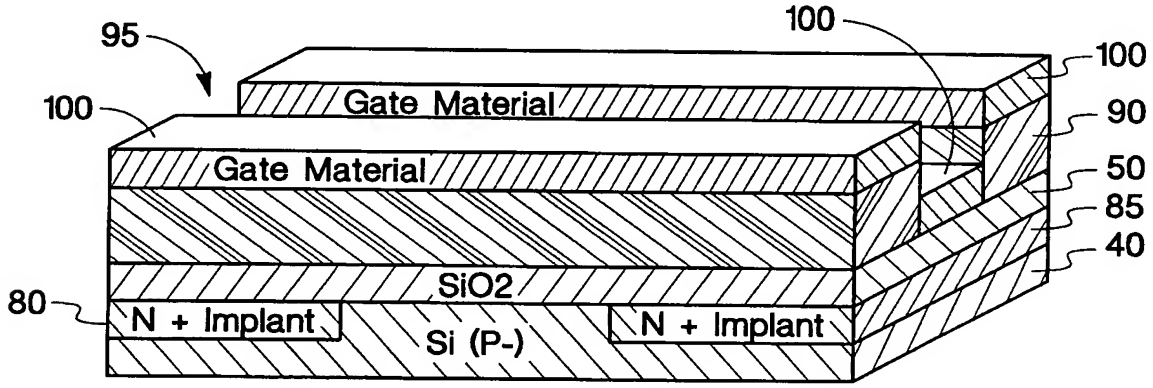

Fig. 12

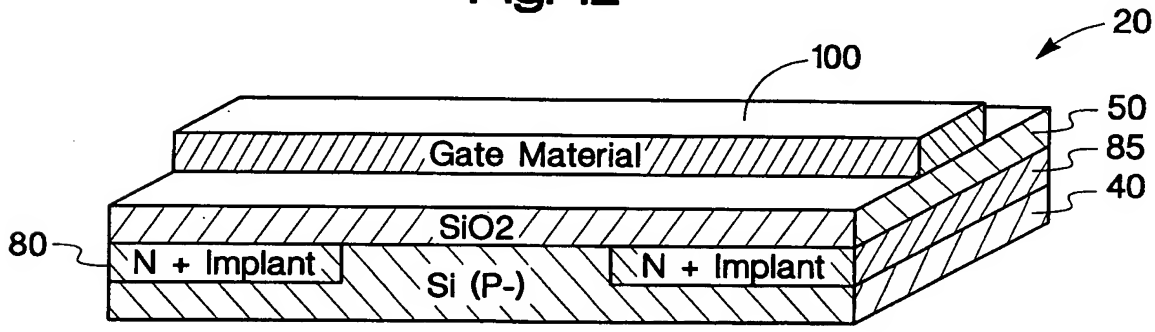

Fig. 13

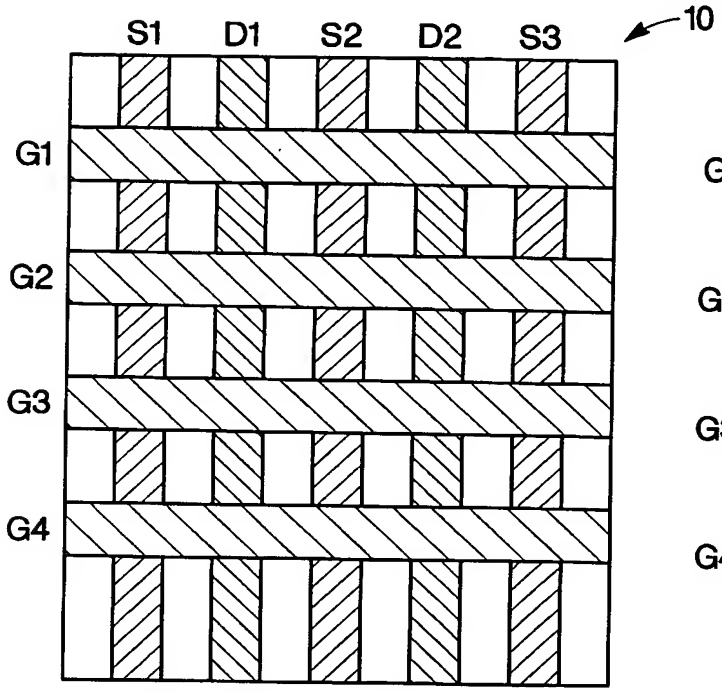

Fig. 14a

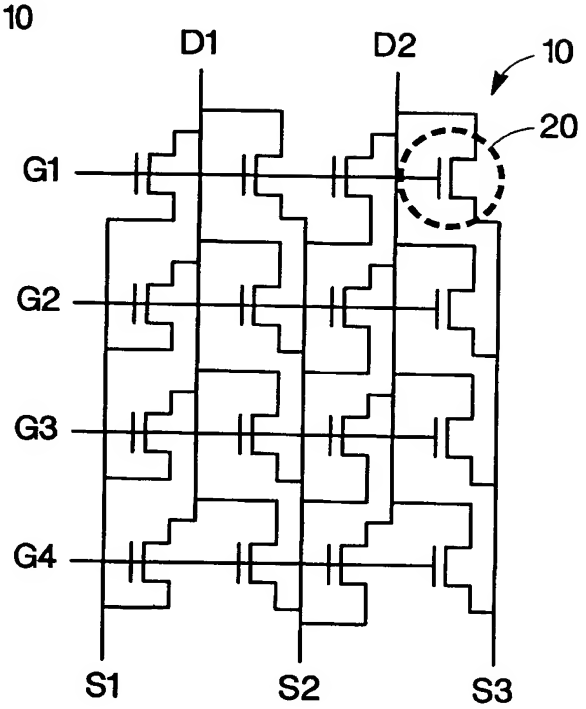

Fig. 14b

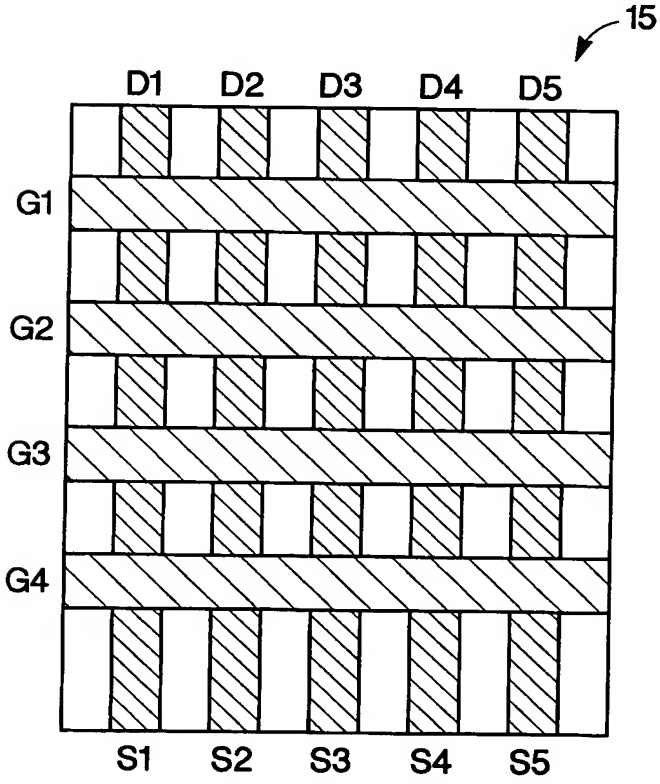

Fig. 15a

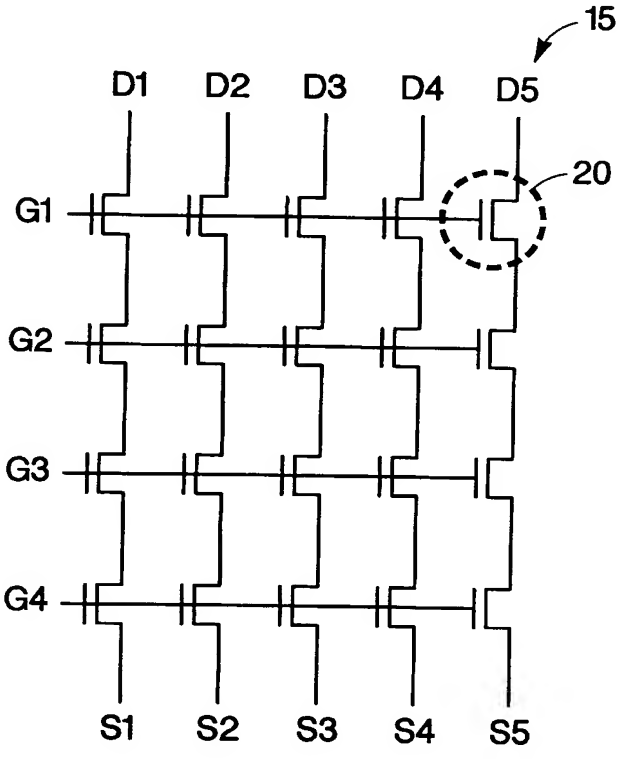

Fig. 15b

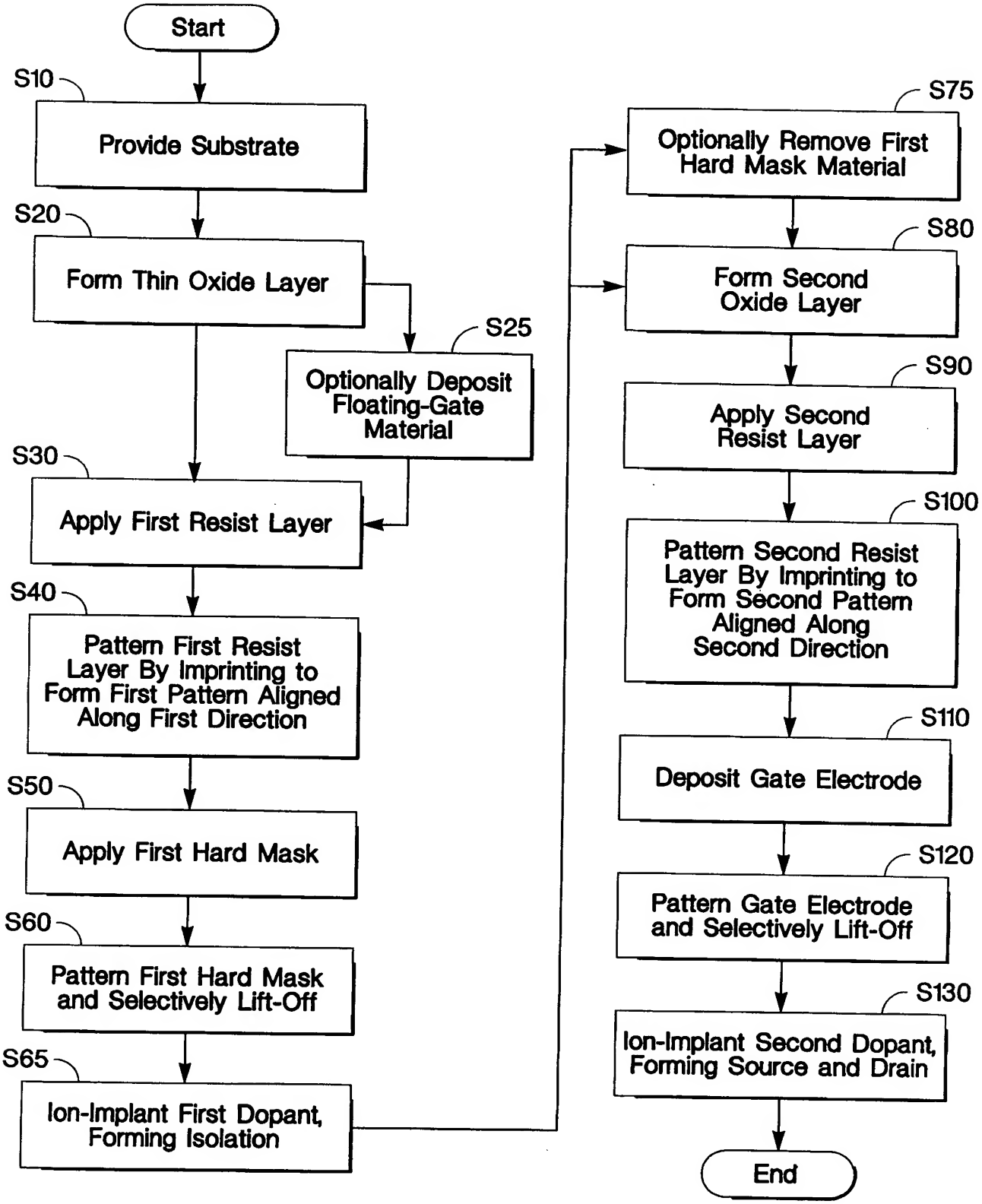
Start
S10
Provide Substrate
S20
Form Thin Oxide Layer
S25
Optionally Deposit Floating-Gate Material
S30
Apply First Resist Layer
S40
Pattern First Resist Layer By Imprinting to Form First Pattern Aligned Along First Direction
S50
Apply First Hard Mask
S60
Pattern First Hard Mask and Selectively Lift-Off
S65
Ion-Implant First Dopant, Forming Isolation
S75
Optionally Remove First Hard Mask Material
S80
Form Second Oxide Layer
S90
Apply Second Resist Layer
S100
Pattern Second Resist Layer By Imprinting to Form Second Pattern Aligned Along Second Direction
S110
Deposit Gate Electrode
S120
Pattern Gate Electrode and Selectively Lift-Off
S130
Ion-Implant Second Dopant, Forming Source and Drain
End

Fig. 16

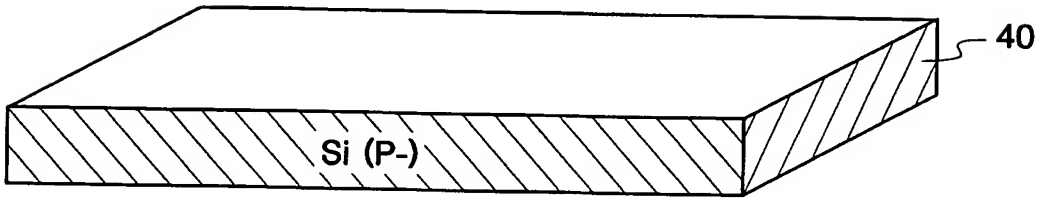

Fig. 17

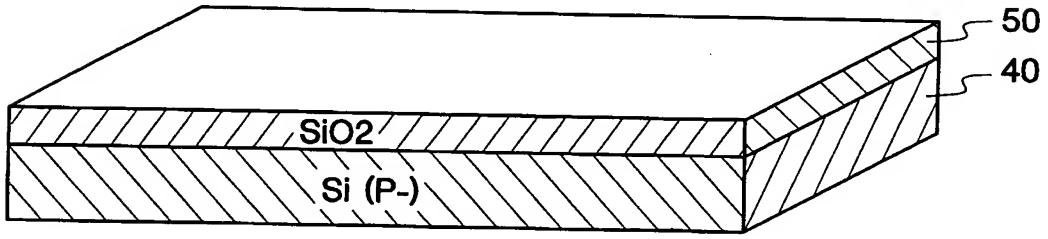

Fig. 18

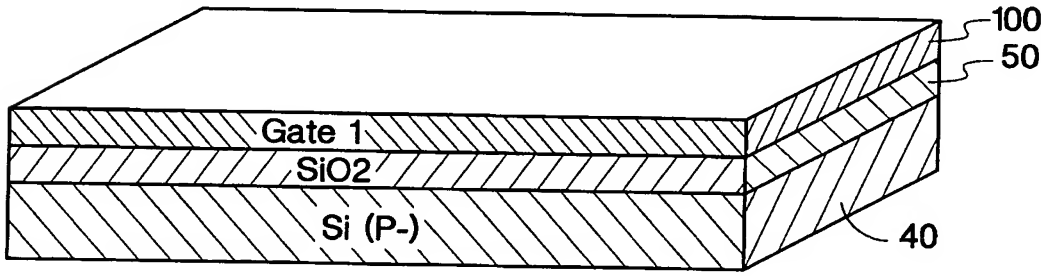

Fig. 19

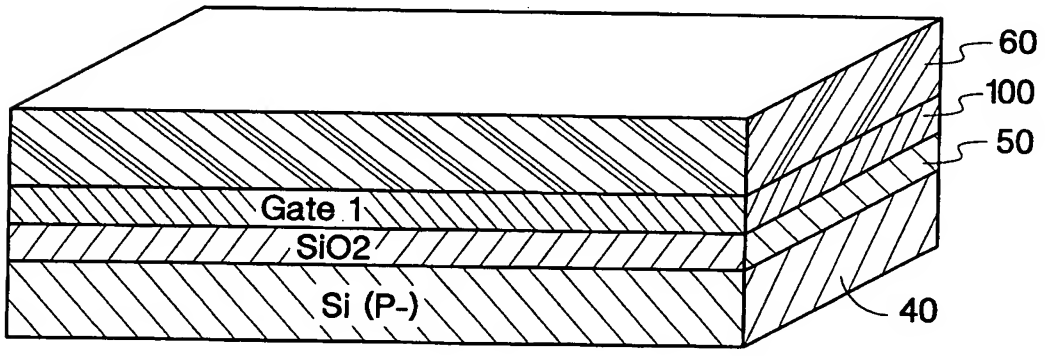

Fig. 20

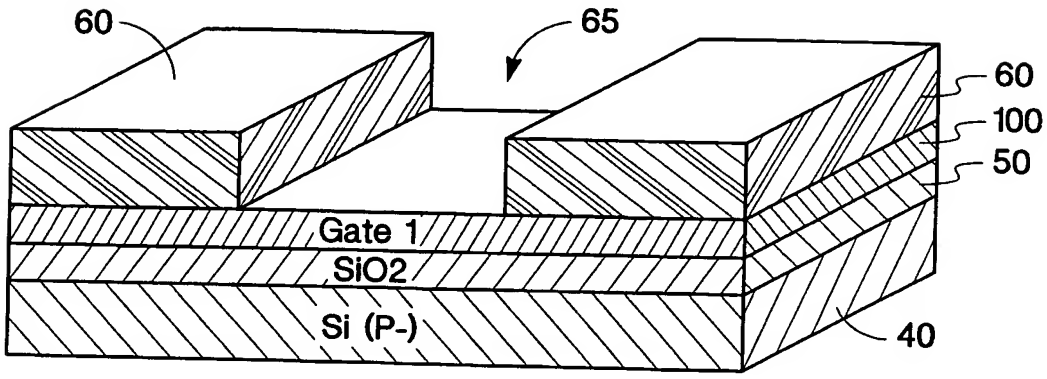

Fig. 21

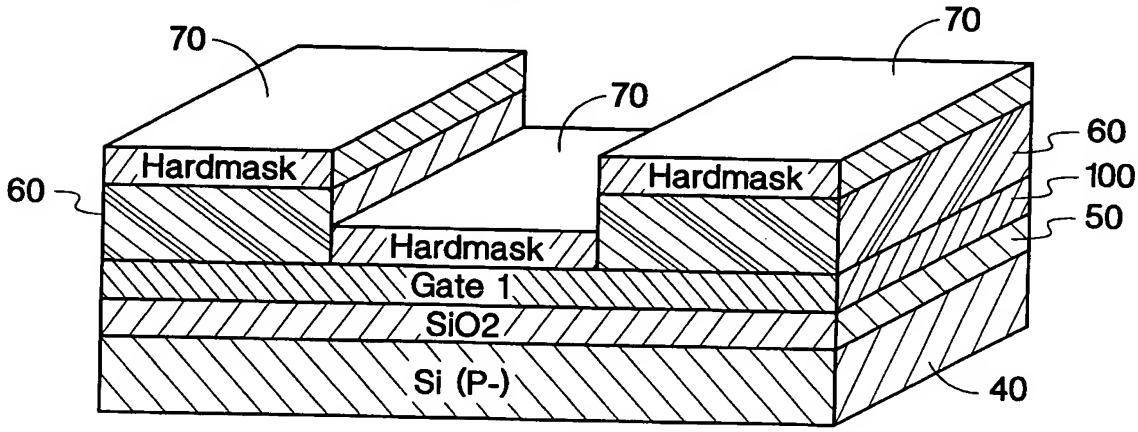

Fig. 22

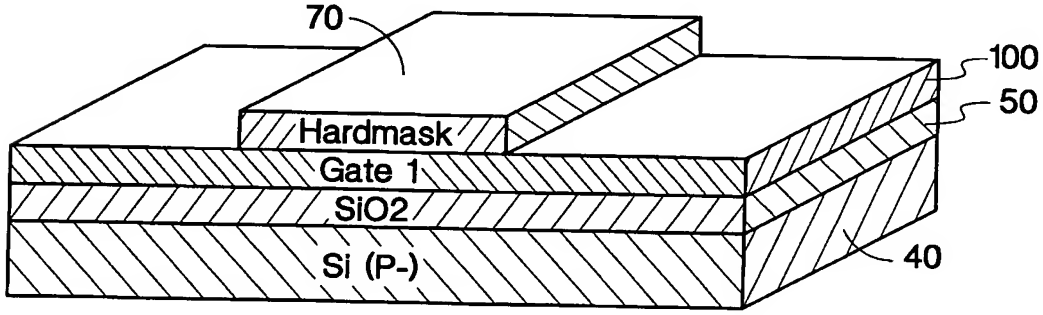

Fig. 23

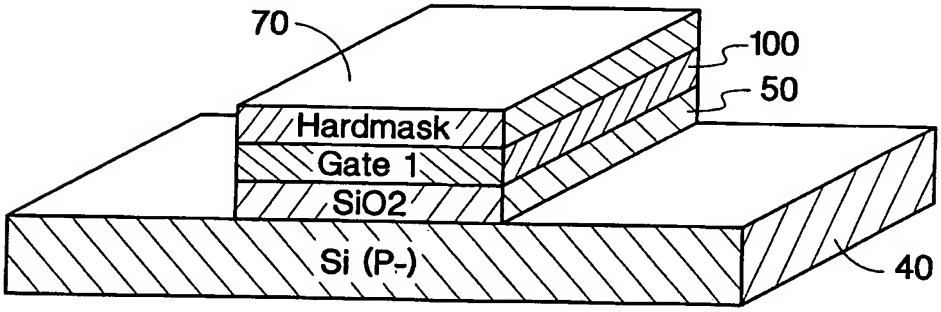

Fig. 24

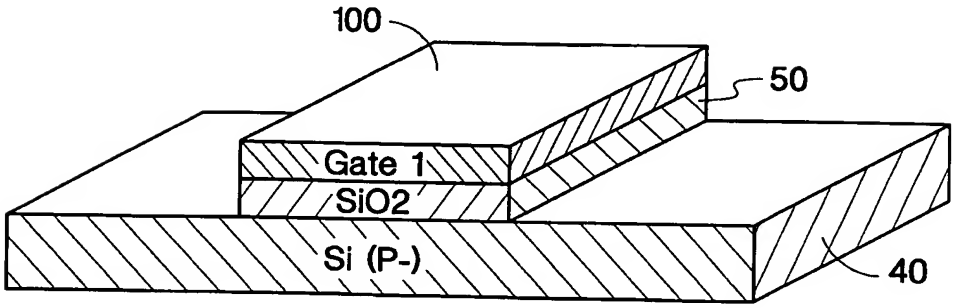

Fig. 25

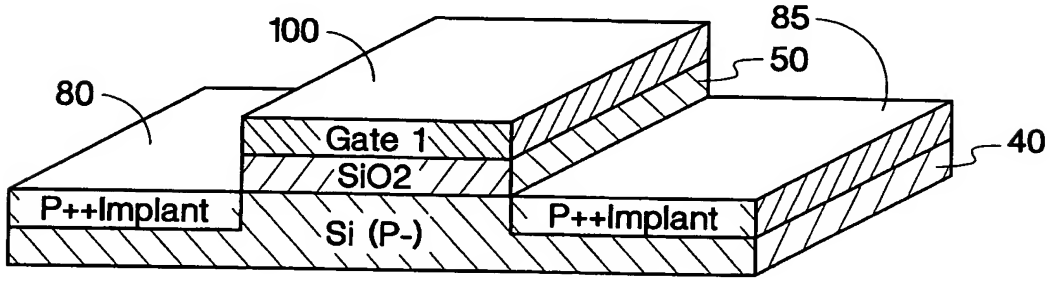

Fig. 26

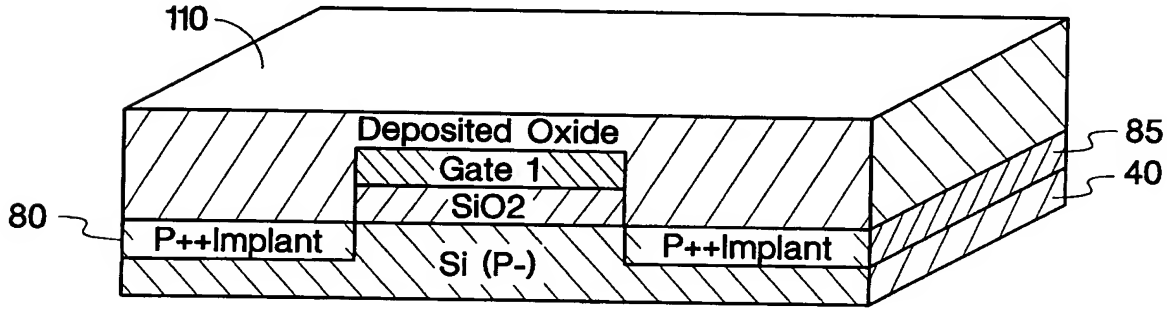

Fig. 27

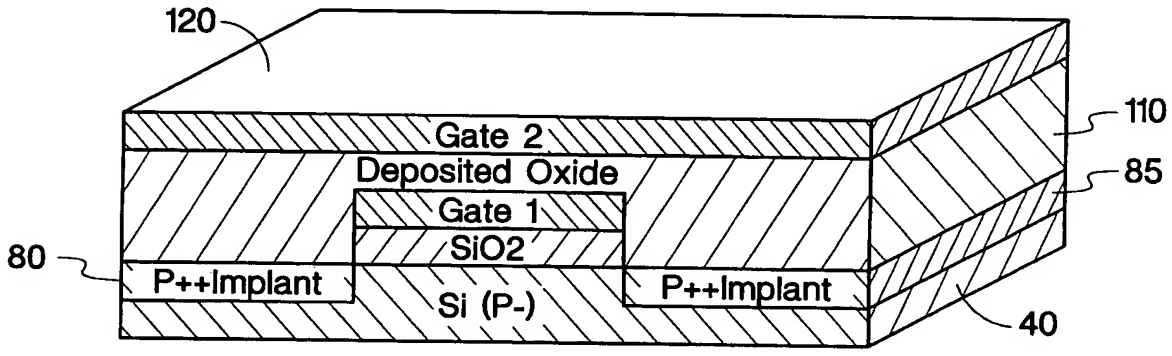

Fig. 28

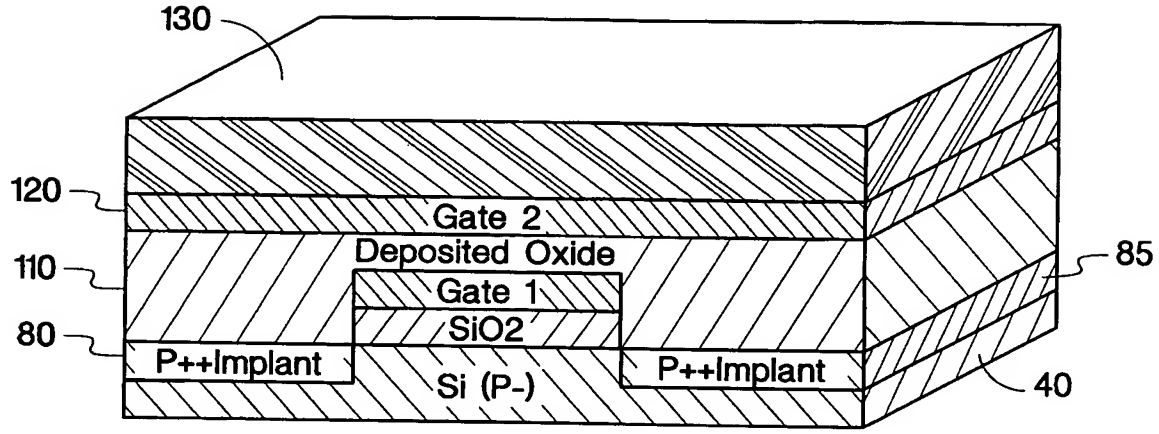

Fig. 29

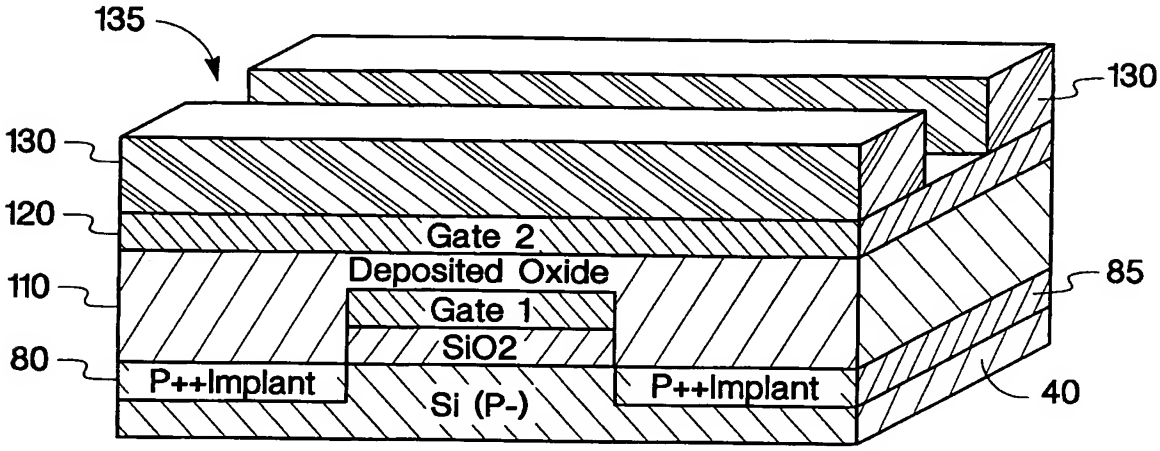

Fig. 30

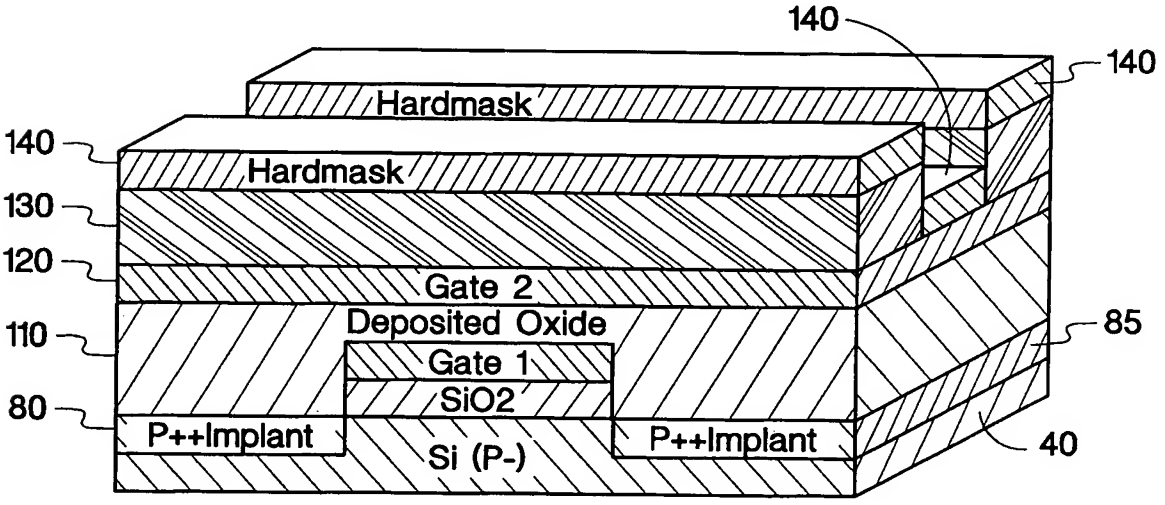

Fig. 31

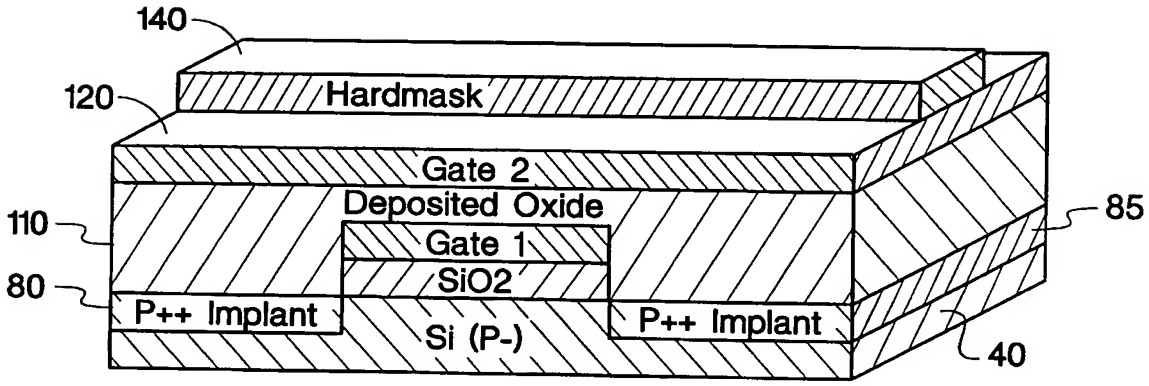

Fig. 32

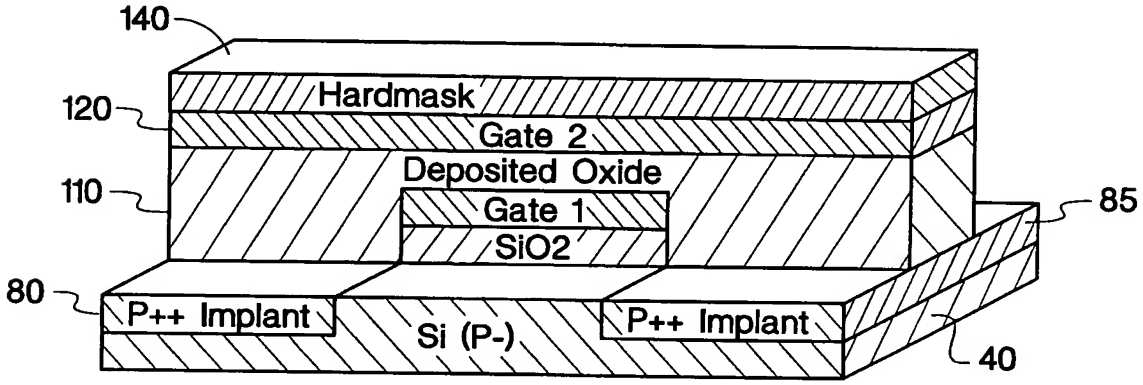

Fig. 33

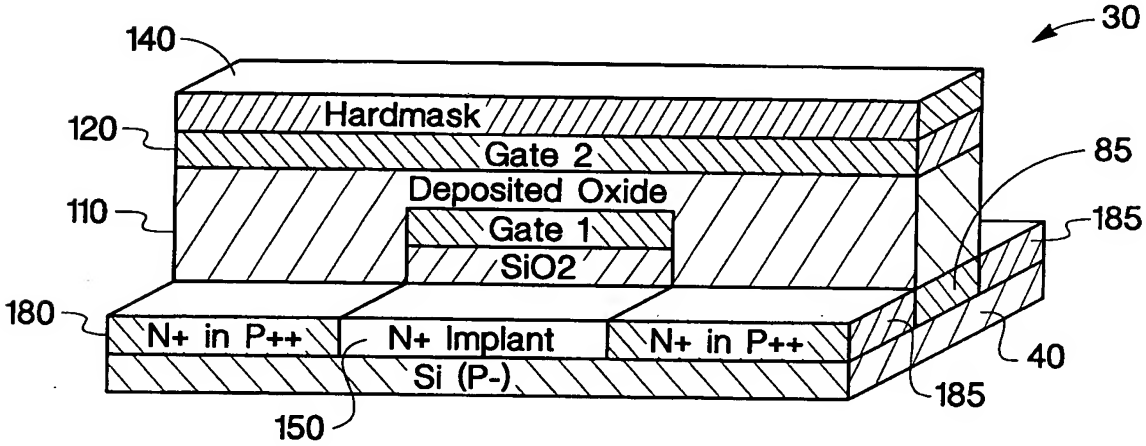

Fig. 34